Subject: Re: Can't exit DEFINE mode in netCDF File
Posted by David Fanning on Wed, 07 Oct 2009 16:24:30 GMT
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dcleon@gmail.com writes:

> I've run into this problem several times. I think with the ncdf_
> routines that if the type on any attribute or variable fails to match
> the declared type, that you're going to get an error when you close
> the file. Seems like the ncdf routines should give you the error when
> you define the attribute/variable not down the road when you go to
> close the file. Anyway, the bottom line is check types very carefully
> when writing NetCDF files.

It is not that the attribute data type has to match its
declared type, it is that the attribute type has to
match the data type of the variable it is being
associated with. So there is another layer of
obfuscation in there. And since this completely
undocumented error can occur in another part of the
code entirely from where the actual error shows up,
it is basically impossible to debug. How the solution
was discovered is beyond my understanding.

Cheers,

David

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David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")